

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: May 21, 1993
Date Received: May 17, 1993
Project: 7238, Sludge ID, PO #M28966
Date Samples Extracted: May 18, 1993
Date Extracts Analyzed: May 18, 1993

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLE
FOR MANGANESE**

Samples Processed Using Method 3050
Results Reported as µg/g (ppm)

<u>Sample ID</u>	<u>Manganese</u>
M28966	2,400
 <u>Quality Assurance</u>	
Blank	<20
M28966 (Duplicate)	2,600
M28966 (Matrix Spike) % Recovery	79%
M28966 (Matrix Spike Duplicate) % Recovery	98%
Spike Blank % Recovery	99%
Spike Level	1,000

FRIEDMAN & BRUYA, INC.
3008-B 16th Avenue West
Seattle, WA 98119

SAMPLE CHAIN OF CUSTODY

Send Report To: Alaskan Copper Works Contact: Gerald Thompson
Company: 628 S. HANFORD ST.
Address: SEATTLE WA 98134
City, State, Zip: (206) 623-5800 X218 Date: 5-17-93
Phone #:

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7238

Sludge ID

M 28966

SAMPLERS (signature)

PROJECT LOCATION

[Signature]

3200 6th Ave S.

REMARKS

SAMPLE DISPOSAL INFORM.

Please FAX A Copy of Results, Followed by mailed Copies.

- ☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

SAMPLE #

Date/Time
Sampled

Type of
Sample

of
Jars

Lab
Sample #

Analyses
Requested

M 28966

5/17/93 8:00 AM

Solid Sludge Fork

1

40061

MANGANESE

SIGNATURE

PRINT NAME

COMPANY

Date

Time

Relinquished by:

[Signature]

Gerald Thompson

Alaskan Copper

5/17/93

10:31 AM

Received by:

Angela Lloyd

A. Floyd

FBI

5-17-93

10:32 AM

Relinquished by:

Received by:

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3008-B 16th Avenue West
Seattle, WA 98119
FAX: (206) 283-5044

DUPLICATE COPY

May 21, 1993

INVOICE # 93ACU0521-1

**Alaskan Copper Works
628 South Hanford
Seattle, WA 98134**

RE: Project 7238, Sludge ID, PO #M28966: Results of testing requested by Gerry Thompson, Project Leader and submitted on May 17, 1993.

1 soil sample analyzed for Manganese @ \$35 per sample	<u>\$ 35.00</u>
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Amount Due	\$ 35.00
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3008-B 16th Avenue West
Seattle, WA 98119
FAX: (206) 283-5044

May 21, 1993

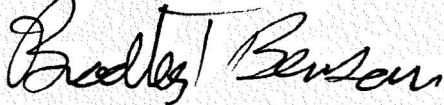
Gerry Thompson, Project Leader
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on May 17, 1993
from Project 7238, Sludge ID, PO #M28966.

We appreciate this opportunity to be of service to you and hope you will call if you
should have any questions.

Sincerely,



Bradley T. Benson
Chemist

BTB/dp

Enclosures

FAX: 382-4309